

BS7835 33KV 3 CORE COPPER XLPE / LSZH



APPLICATION

The 22KV and 33KV triple core power cable, is just a small part of our medium voltage cable range, it is suitable for power networks, underground, outdoors and installation in cable ducting.

Please note: the red outer sheath can be prone to fading when exposed to UV rays.

CABLE STANDARDS

BS 7835
BS EN/IEC 60754-1
BS EN/IEC 60228
BS EN/IEC 60332-1-2

CONSTRUCTION

Conductor: Stranded Plain Annealed Circular Compacted Copper Conductors

Conductor Screen: Semi-conductive XLPE

Insulation: Cross-Linked Polyethylene (XLPE)

Insulation Screen: Semi-conductive XLPE

Metallic Screen: Individual or collective overall copper tape screen

Filler: Polyethylene Terephthalate fibres (PET)

Separator: Binding tape

Bedding: Low Smoke Zero Halogen (LSZH)

Armour: SWA (Steel Wire Armoured)

Sheath: Low Smoke Zero Halogen (LSZH)

CHARACTERISTICS

Voltage Rating: 22000 or 33000 Volts

Temperature Limits: -15°C to +90°C

Minimum Bending Radius:

As per cable manufacturer datasheet

CORE IDENTIFICATION

3 Core: ■ Brown ■ Black ■ Grey Tapes

Should not be installed at temperatures below 0°C or above +40°C

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CCC CODE	CONDUCTOR SIZE (MM ²)	STRANDING (MM)	NO OF CORES	WEIGHT (kg/km)	APPROX OVERALL DIAMETER (MM)	VOLTAGE
22KVXLPE3X95RD	95	19/2.52	3	8820	70.30	22KV
33KVXLPE3X95RD	95	19/2.52	3	12020	85.30	33KV
33KVXLPE3X185RD	185	37/2.52	3	20000	96.00	33KV

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NOMINAL CROSS SECTIONAL AREA (MM ²)	CONTINUOUS CURRENT RATING						MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C
	IN GROUND AMPS		IN DUCTS AMPS		IN AIR AMPS		
	TREFOIL	FLAT	TREFOIL	FLAT	TREFOIL	FLAT	
95	320	335	305	325	375	460	0.193
120	360	380	340	370	430	530	0.153
150	410	430	375	410	490	600	0.124
185	455	485	410	460	550	690	0.0991
240	520	560	470	540	650	820	0.0754
300	580	640	500	610	740	940	0.0601
400	650	730	530	690	840	1100	0.047
500	710	830	570	780	930	1280	0.0366
630	760	940	620	890	1040	1480	0.0283

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

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